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UNITED STATES DEPARTMENT OF AGRICULTURE, AGRICULTURAL RESEARCH ADMINISTRATION  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

LIST OF PUBLICATIONS AND PATENTS

of the

DIVISION OF INSECTICIDE INVESTIGATIONS

R. C. Roark, Chemist in Charge, for the period

January 1, 1945 to June 30, 1945

Some of the publications listed below were prepared jointly by members of the Division of Insecticide Investigations and those of other organizations. The asterisk indicates the authors not connected with this Division. Copies of these publications can doubtless be consulted in almost any large public or institutional library. Publication index Nos. 791, 793, 797, 799, 803, 804 and 805 are available for distribution, upon request, while the supply lasts.

PUBLICATION

Index No.

- 786 An extractor for use with reduced pressure. W. F. Barthel. Indus. and Eng. Chem. Anal. Ed., vol. 17, no. 1, pp. 53-54. January 1945.
- 787 Applying colchicine to plants by the aerosol method. J. W. McKay,\* P. C. Burrell,\* and L. D. Goodhue. Science, vol. 101, no. 2615, pp. 154-156. February 9, 1945.
- 788 Toxicity of diaryl trichloroethanes and dichloroethylenes to codling moth. E. H. Siegler\* and S. I. Gertler. Jour. Econ. Ent., vol. 37, no. 6, p. 845. December 1944. (Received March 1945)
- 789 The effect of the release of liquid HCN on temperature under a fumigation tent. Robert A. Fulton and Francis Munger.\* Jour. Econ. Ent., vol. 37, no. 6, pp. 851-852. December 1944. (Received March 1945)
- 790 Rate of evaporation of DDT. Elmer E. Fleck. Jour. Econ. Ent., vol. 37, no. 6, p. 853. December 1944. (Received March 1945)
- 791 A Review of information on anabasine and nornicotine, 1938-1944 (Supplement to E-537 and E-561). R. C. Roark, Bureau of Entomology and Plant Quarantine publication E-636, 23 pp. Processed. March 1945.
- 792 Estimation of undecomposed DDT spray deposits on apples from total organic chlorine content. Jack E. Fahey. Jour. Assoc. Official Agr. Chemists, vol. 28, no. 1, pp. 152-158. Feb. 1945. (Received March 1945)
- 793 Formulation of DDT sprays and dusts. R. D. Chisholm. Bureau of Entomology and Plant Quarantine publication E-643, 7 pp. Processed. March 1945.



- 794 Dispersants for Aerosols. Lyle D. Goodhue, J. H. Fales\* and E. R. McGovran.\* Soap and Sanitary Chemicals, vol. 21, no. 4, pp. 123, 125 and 127. April 1945.
- 795 Trade marked insecticides containing DDT. R. C. Roark. Soap and Sanitary Chemicals, vol. 21, no. 4, pp. 137, 155 and 157. April 1945.
- 796 Compatibility of DDT with insecticides, fungicides, and fertilizers. Elmer E. Fleck and H. L. Haller. Ind. & Eng. Chem., Indus. Ed., vol. 37, no. 4, pp. 403-405. April 1945.
- 797 A review of the insecticidal uses of rotenone and rotenoids from derris, lonchocarpus (cube and Timbo), Tephrosia, and related plants. Part X: Siphonaptera. R. C. Roark. Bureau of Entomology and Plant Quarantine publication E-654. 15 pages. Mimeographed. April 1945.
- 798 New developments in insecticides. L. D. Goodhue. Iowa State College Journal of Science, vol. 19, no. 3, pp. 255-262. April 1945.
- 799 A review of the insecticidal uses of rotenone and rotenoids from derris, Lonchocarpus (cube and Timbo), Tephrosia, and related plants. Part XI: Acarina. R. C. Roark. Bureau of Entomology and Plant Quarantine Publication E-655. 63 pages. Mimeographed. May 1945.
- 800 Constituents of pyrethrum flowers. XVII. The isolation of five pyrethrolone semicarbazones. F. B. LaForge and W. F. Barthel. Journal of Organic Chemistry, vol. 10, no. 2, pp. 106-113. March 1945. [Received in Div. Insecticide Invs. May 1945]
- 801 Constituents of pyrethrum flowers. XVIII. The structure and Isomerism of pyrethrolone and cinerolone. F. B. LaForge and W. F. Barthel. Journal of Organic Chemistry, vol. 10, no. 2, pp. 114-120. March 1945. [Received in Div. Insecticide Invs. May 1945]
- 802 The setting point of DDT. Elmer E. Fleck and Robert K. Preston. Bureau of Entomology & Plant Quarantine, U. S. D. A. Soap and Sanitary Chemicals, vol. 21, no. 5, pp. 111, 113. May 1945.
- 803 A list of arthropods, arranged according to order, family, and genus, and their susceptibility to rotenone and the rotenoids. R. C. Roark. Bureau of Entomology and Plant Quarantine Publication E-656, 27 pp. Processed. May 1945.
- 804 A second list of publications on DDT. R. C. Roark. Bureau of Entomology and Plant Quarantine Publication E-660, 27 pp. Processed. May 1945.
- 805 A review of the insecticidal uses of rotenone and rotenoids from derris, Lonchocarpus (Cube and Timbo), Tephrosia, and related plants. Part IX: Diptera. R. C. Roark. Bureau of Entomology and Plant Quarantine Publication E-652, 126 pp. Processed. April 1945. [Received June, 1945]

- 806 The surface tensions of calcium chloride solutions at 25° measured by their maximum bubble pressures. H. L. Cupples. Journal of the American Chemical Society, vol. 67, pp. 987-990. June 1945.

PATENTS OF THE DIVISION OF INSECTICIDE INVESTIGATIONS<sup>1/</sup>

128. 2,372,183 (March 27, 1945; appl. May 16, 1944). PURIFICATION OF PYRETHRUM EXTRACT. William F. Barthel and Herbert L. J. Haller. [Nitromethane process.]
129. 2,374,479 (April 24, 1945; appl. Sept. 4, 1942). INSECTICIDE. Samuel I. Gertler and Herbert L. J. Haller. [Cycloaliphatic ketone semicarbazones.]

<sup>1/</sup> Copies of all patents may be obtained for 10 cents (no postage) from the U. S. Patent Office, Washington, D. C. In ordering a copy of a patent the number of patent, the date, the name of the patentee, and the subject of the invention should be stated.

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